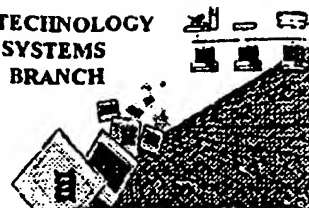




## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/712,359

Source: IFW

Date Processed by STIC: 11/29/03

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221**

**Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

**Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:**

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 10/7/2,359

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1. Wrapped Nucleics  
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2. Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
3. Misaligned Amino Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4. Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5. Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6. PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7. Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8. Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
9. Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Warning: instead, please use the manager or any other method means to copy file to floppy disk.

13. Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

## RAW SEQUENCE LISTING

DATE: 11/29/2003

PATENT APPLICATION: US/10/712,359

TIME: 13:13:21

Input Set : A:\16153-8007.txt

Output Set: N:\CRF4\11282003\J712359.raw

3 <110> APPLICANT: CHIANG, Y-H  
 4 VETRO, J.A.  
 5 MICKA, W.S.  
 7 <120> TITLE OF INVENTION: Dominant Negative Variants of Methionine Aminopeptidase  
 8 2 ("MetAP2") and Clinical Uses Therefor  
 10 <130> FILE REFERENCE: 16153-8007  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/712,359  
 C--> 13 <141> CURRENT FILING DATE: 2003-11-13  
 15 <160> NUMBER OF SEQ ID NOS: 26  
 17 <170> SOFTWARE: PatentIn Ver. 2.0  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 71  
 21 <212> TYPE: PRT  
 22 <213> ORGANISM: Human polylysine  
 24 <400> SEQUENCE: 1  
 25 Lys Lys Lys Arg Arg Lys Lys Lys Lys Ser Lys Gly Pro Ser Ala Ala  
 26 1 5 10 15  
 28 Gly Glu Gln Glu Pro Asp Lys Glu Ser Gly Ala Ser Val Asp Glu Val  
 29 20 25 30  
 31 Ala Arg Gln Leu Glu Arg Ser Ala Leu Glu Asp Lys Glu Arg Asp Glu  
 32 35 40 45  
 34 Asp Asp Glu Asp Gly Asp Gly Asp Gly Ala Thr Gly Lys Lys  
 35 50 55 60  
 37 Lys Lys Lys Lys Lys Lys Lys  
 38 65 70  
 41 <210> SEQ ID NO: 2  
 42 <211> LENGTH: 71  
 43 <212> TYPE: PRT  
 44 <213> ORGANISM: Mouse polylysine  
 46 <400> SEQUENCE: 2  
 47 Lys Lys Lys Arg Arg Lys Lys Lys Lys Gly Lys Gly Ala Val Ser Ala  
 48 1 5 10 15  
 50 Val Gln Gln Glu Leu Asp Lys Glu Ser Gly Ala Leu Val Asp Glu Val  
 51 20 25 30  
 53 Ala Lys Gln Leu Glu Ser Gln Ala Leu Glu Glu Lys Glu Arg Asp Asp  
 54 35 40 45  
 56 Asp Asp Glu Asp Gly Asp Gly Asp Ala Asp Gly Ala Thr Gly Lys Lys  
 57 50 55 60  
 59 Lys Lys Lys Lys Lys Lys Lys  
 60 65 70  
 63 <210> SEQ ID NO: 3  
 64 <211> LENGTH: 57  
 65 <212> TYPE: PRT

comply  
 No Need

2,6

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/712,359

DATE: 11/29/2003

TIME: 13:13:21

Input Set : A:\16153-8007.txt

Output Set: N:\CRF4\11282003\J712359.raw

66 <213> ORGANISM: Saccharomyces polylysine  
 68 <400> SEQUENCE: 3  
 69 Thr Asp Ala Glu Ile Glu Asn Ser Pro Ala Ser Asp Leu Lys Glu Leu  
 70 1 5 10 15  
 72 Asn Leu Glu Asn Glu Gly Val Glu Gln Gln Asp Gln Ala Lys Ala Asp  
 73 20 25 30  
 75 Glu Ser Asp Pro Val Glu Ser Lys Lys Lys Lys Asn Lys Lys Lys Lys  
 76 35 40 45  
 78 Lys Lys Lys Ser Asn Val Lys Lys Ile  
 79 50 55  
 82 <210> SEQ ID NO: 4  
 83 <211> LENGTH: 35  
 84 <212> TYPE: DNA  
 85 <213> ORGANISM: Synthetic oligonucleotide  
 87 <400> SEQUENCE: 4  
 88 caaccattgt gctgcagctt tcacacccaa tgcag 35  
 90 <210> SEQ ID NO: 5  
 91 <211> LENGTH: 35  
 92 <212> TYPE: DNA  
 93 <213> ORGANISM: Artificial Sequence  
 95 <220> FEATURE:  
 96 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic  
 97 oligonucleotide  
 99 <400> SEQUENCE: 5  
 100 ctgcattggg tgtgaaagct gcagcacaat gggtg 35  
 102 <210> SEQ ID NO: 6  
 103 <211> LENGTH: 478  
 104 <212> TYPE: PRT  
 105 <213> ORGANISM: Human dnvMetAP2  
 107 <220> FEATURE:  
 108 <221> NAME/KEY: SITE  
 109 <222> LOCATION: (219)  
 110 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
 112 <220> FEATURE:  
 113 <221> NAME/KEY: SITE  
 114 <222> LOCATION: (231)  
 115 <223> OTHER INFORMATION: May be any amino acid, except His  
 117 <220> FEATURE:  
 118 <221> NAME/KEY: SITE  
 119 <222> LOCATION: (251)  
 120 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
 122 <220> FEATURE:  
 123 <221> NAME/KEY: SITE  
 124 <222> LOCATION: (262)  
 125 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
 127 <220> FEATURE:  
 128 <221> NAME/KEY: SITE  
 129 <222> LOCATION: (328)  
 130 <223> OTHER INFORMATION: May be any naturally occurring amino acid

*invalid response - see item 10 on Ema summary sheet*

## RAW SEQUENCE LISTING

DATE: 11/29/2003

PATENT APPLICATION: US/10/712,359

TIME: 13:13:21

Input Set : A:\16153-8007.txt

Output Set: N:\CRF4\11282003\J712359.raw

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132 <220> FEATURE:
133 <221> NAME/KEY: SITE
134 <222> LOCATION: (331)
135 <223> OTHER INFORMATION: May be any naturally occurring amino acid
137 <220> FEATURE:
138 <221> NAME/KEY: SITE
139 <222> LOCATION: (338)..(339)
140 <223> OTHER INFORMATION: May be any naturally occurring amino acid
142 <220> FEATURE:
143 <221> NAME/KEY: SITE
144 <222> LOCATION: (364)
145 <223> OTHER INFORMATION: May be any naturally occurring amino acid
147 <220> FEATURE:
148 <221> NAME/KEY: SITE
149 <222> LOCATION: (444)
150 <223> OTHER INFORMATION: May be any naturally occurring amino acid
152 <220> FEATURE:
153 <221> NAME/KEY: SITE
154 <222> LOCATION: (447)
155 <223> OTHER INFORMATION: May be any naturally occurring amino acid
157 <220> FEATURE:
158 <221> NAME/KEY: SITE
159 <222> LOCATION: (459)
160 <223> OTHER INFORMATION: May be any naturally occurring amino acid
162 <400> SEQUENCE: 6
163 Met Ala Gly Val Glu Glu Val Ala Ala Ser Gly Ser His Leu Asn Gly
164   1           5           10           15
166 Asp Leu Asp Pro Asp Asp Arg Glu Glu Gly Ala Ala Ser Thr Ala Glu
167           20           25           30
169 Glu Ala Ala Lys Lys Lys Arg Arg Lys Lys Lys Ser Lys Gly Pro
170           35           40           45
172 Ser Ala Ala Gly Glu Gln Glu Pro Asp Lys Glu Ser Gly Ala Ser Val
173           50           55           60
175 Asp Glu Val Ala Arg Gln Leu Glu Arg Ser Ala Leu Glu Asp Lys Glu
176           65           70           75           80
178 Arg Asp Glu Asp Asp Glu Asp Gly Asp Gly Asp Gly Asp Gly Ala Thr
179           85           90           95
181 Gly Lys Lys Lys Lys Lys Lys Lys Lys Arg Gly Pro Lys Val Gln
182           100          105          110
184 Thr Asp Pro Pro Ser Val Pro Ile Cys Asp Leu Tyr Pro Asn Gly Val
185           115          120          125
187 Phe Pro Lys Gly Gln Glu Cys Glu Tyr Pro Pro Thr Gln Asp Gly Arg
188           130          135          140
190 Thr Ala Ala Trp Arg Thr Thr Ser Glu Glu Lys Lys Ala Leu Asp Gln
191           145          150          155          160
193 Ala Ser Glu Glu Ile Trp Asn Asp Phe Arg Glu Ala Ala Glu Ala His
194           - 165          170          175
196 Arg Gln Val Arg Lys Tyr Val Met Ser Trp Ile Lys Pro Gly Met Thr
197           180          185          190

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/712,359

DATE: 11/29/2003

TIME: 13:13:21

Input Set : A:\16153-8007.txt

Output Set: N:\CRF4\11282003\J712359.raw

```

199 Met Ile Glu Ile Cys Glu Lys Leu Glu Asp Cys Ser Arg Lys Leu Ile
200      195      200      205
W--> 202 Lys Glu Asn Gly Leu Asn Ala Gly Leu Ala Xaa Pro Thr Gly Cys Ser
203      210      215      220
205 Leu Asn Asn Cys Ala Ala Xaa Tyr Thr Pro Asn Ala Gly Asp Thr Thr
206 225      230      235      240
208 Val Leu Gln Tyr Asp Ile Cys Lys Ile Xaa Phe Gly Thr His Ile
209      245      250      255
211 Ser Gly Arg Ile Ile Xaa Cys Ala Phe Thr Val Thr Phe Asn Pro Lys
212      260      265      270
214 Tyr Asp Thr Leu Leu Lys Ala Val Lys Asp Ala Thr Asn Thr Gly Ile
215      275      280      285
217 Lys Cys Ala Gly Ile Asp Val Arg Leu Cys Asp Val Gly Glu Ala Ile
218      290      295      300
220 Gln Glu Val Met Glu Ser Tyr Glu Val Glu Ile Asp Gly Lys Thr Tyr
221 305      310      315      320
223 Gln Val Lys Pro Ile Arg Asn Xaa Asn Gly Xaa Ser Ile Gly Gln Tyr
224      325      330      335
226 Arg Xaa Xaa Ala Gly Lys Thr Val Pro Ile Val Lys Gly Gly Glu Ala
227      340      345      350
229 Thr Arg Met Glu Glu Gly Glu Val Tyr Ala Ile Xaa Thr Phe Gly Ser
230      355      360      365
232 Thr Gly Lys Gly Val Val His Asp Asp Met Glu Cys Ser His Tyr Met
233      370      375      380
235 Lys Asn Phe Asp Val Gly His Val Pro Ile Arg Leu Pro Arg Thr Lys
236 385      390      395      400
238 His Leu Leu Asn Val Ile Asn Glu Asn Phe Gly Thr Leu Ala Phe Cys
239      405      410      415
241 Arg Arg Trp Leu Asp Arg Leu Gly Glu Ser Lys Tyr Leu Met Ala Leu
242      420      425      430
244 Lys Asn Leu Cys Asp Leu Gly Ile Val Asp Pro Xaa Pro Pro Xaa Cys
245      435      440      445
247 Asp Ile Lys Gly Ser Tyr Thr Ala Gln Phe Xaa His Thr Ile Leu Leu
248      450      455      460
250 Arg Pro Thr Cys Lys Glu Val Val Ser Arg Gly Asp Asp Tyr
251 465      470      475
254 <210> SEQ ID NO: 7
255 <211> LENGTH: 478
256 <212> TYPE: PRT
257 <213> ORGANISM: Mouse MetAP2
259 <220> FEATURE:
260 <221> NAME/KEY: SITE
261 <222> LOCATION: (219)
262 <223> OTHER INFORMATION: May be any naturally occurring amino acid
264 <220> FEATURE:
265 <221> NAME/KEY: SITE
266 <222> LOCATION: (231)
267 <223> OTHER INFORMATION: May be any amino acid, except His
269 <220> FEATURE:

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/712,359

DATE: 11/29/2003

TIME: 13:13:21

Input Set : A:\16153-8007.txt

Output Set: N:\CRF4\11282003\J712359.raw

```

270 <221> NAME/KEY: SITE
271 <222> LOCATION: (251)
272 <223> OTHER INFORMATION: May be any naturally occurring amino acid
274 <220> FEATURE:
275 <221> NAME/KEY: SITE
276 <222> LOCATION: (262)
277 <223> OTHER INFORMATION: May be any naturally occurring amino acid
279 <220> FEATURE:
280 <221> NAME/KEY: SITE
281 <222> LOCATION: (328)
282 <223> OTHER INFORMATION: May be any naturally occurring amino acid
284 <220> FEATURE:
285 <221> NAME/KEY: SITE
286 <222> LOCATION: (331)
287 <223> OTHER INFORMATION: May be any naturally occurring amino acid
289 <220> FEATURE:
290 <221> NAME/KEY: SITE
291 <222> LOCATION: (338)..(339)
292 <223> OTHER INFORMATION: May be any naturally occurring amino acid
294 <220> FEATURE:
295 <221> NAME/KEY: SITE
296 <222> LOCATION: (364)
297 <223> OTHER INFORMATION: May be any naturally occurring amino acid
299 <220> FEATURE:
300 <221> NAME/KEY: SITE
301 <222> LOCATION: (444)
302 <223> OTHER INFORMATION: May be any naturally occurring amino acid
304 <220> FEATURE:
305 <221> NAME/KEY: SITE
306 <222> LOCATION: (447)
307 <223> OTHER INFORMATION: May be any naturally occurring amino acid
309 <220> FEATURE:
310 <221> NAME/KEY: SITE
311 <222> LOCATION: (459)
312 <223> OTHER INFORMATION: May be any naturally occurring amino acid
314 <400> SEQUENCE: 7
315 Met Ala Gly Val Glu Gln Ala Ala Ser Phe Gly Gly His Leu Asn Gly
316 1 5 10 15
318 Asp Leu Asp Pro Asp Asp Arg Glu Glu Gly Thr Ser Ser Thr Ala Glu
319 20 25 30
321 Glu Ala Ala Lys Lys Lys Arg Arg Lys Lys Lys Lys Gly Lys Gly Ala
322 35 40 45
324 Val Ser Ala Val Gln Gln Glu Leu Asp Lys Glu Ser Gly Ala Leu Val
325 50 55 60
327 Asp Glu Val Ala Lys Gln Leu Glu Ser Gln Ala Leu Glu Glu Lys Glu
328 65 70 75 80
330 Arg Asp Asp Asp Asp Glu Asp Gly Asp Gly Asp Ala Asp Gly Ala Thr
331 85 90 95
333 Gly Lys Lys Lys Lys Lys Lys Lys Lys Lys Arg Gly Pro Lys Val Gln

```

**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/712,359**

**DATE: 11/29/2003**  
**TIME: 13:13:22**

**Input Set : A:\16153-8007.txt**  
**Output Set: N:\CRF4\11282003\J712359.raw**

**Please Note:**

**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.**

Seq#:6; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459  
 Seq#:7; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459  
 Seq#:8; Xaa Pos. 162,174,194,205,271,274,281,282,307,387,390,402  
 Seq#:9; N Pos. 693  
 Seq#:10; N Pos. 693  
 Seq#:11; N Pos. 522  
 Seq#:16; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459  
 Seq#:18; N Pos. 779